



**ZEAL INTERNATIONAL** (An ISO 9001 Certified Company)

**Head Office:** 1, Netaji Subhash Marg Daryaganj, New Delhi - 110002 INDIA

Phone: +91-11-23276114, 23244474, 23250281, 23278846 Fax: +91-11-43580558

**Branch Office:** 4/20 Kirti Nagar Industrial Area New Delhi - 110015 Phone: +91 11 45380800

**Warehouse:** 4/26 Kirti Nagar Industrial Area New Delhi - 110015

[info@zealinternational.com](mailto:info@zealinternational.com)

[sales@zealinternational.com](mailto:sales@zealinternational.com)

[support@zealinternational.com](mailto:support@zealinternational.com)

[quotation@zealinternational.com](mailto:quotation@zealinternational.com)

Visit us at: [www.zealinternational.com](http://www.zealinternational.com)

## Swell Test Apparatus ZI 3069

Standards:

Specification:

It is designed to determine the swelling pressure developed by soil specimens moulded to desired densities at known moisture contents when soaked in water. The load applied to restrain the swelling is transferred to a load measuring proving ring through a perforated swell plate and a load transfer bar. The proving ring is attached to the lead screw of hand operated load frame. A soaking tank is provided for saturating the specimen and the base of the mould has channels and radial grooves with connecting holes it consists one each of :



### **ZI 3069-1**

Load Frame, Hand Operated, Capacity 50 KN (5,000 kgf)

### **ZI 3069-2**

Mould, 100mm dia x 127.3mm height (1,000ml volume) with base plate and collar

**ZI 3069-3** Proving Ring, with integral boss, high sensitivity 2.5KN (250 Kgf) capacity

**ZI 3069-4** Dial Gauge , 25 mm travel, 0.01mm least count Lid & receiver in G.I. frame for 300 mm dia x 450 mm dia sieves

**ZI 3069-5** Perforated swell plate, 100 mm dia x 16 mm thick

**ZI 3069-6** Spencer, 100 mm dia x 12.7 mm thick

**ZI 3069-7** Pair of Porous stones, 100 mm dia x

12.7 mm thick

**ZI 3069-8** Load Transfer Bar

**ZI 3069-9** Steel Ball

**ZI 3069-10** Soaking Tank, 250 mm dia x 210 mm  
high